

DT07 Rec'd PCT/PTO 14 OCT 2004

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| FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 4239-64828-02 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371 | | U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) Not yet assigned 10/511362 |
| INTERNATIONAL APPLICATION NO. PCT/US03/12348 | INTERNATIONAL FILING DATE 18 April 2003 | PRIORITY DATE CLAIMED 19 April 2002 |
| TITLE OF INVENTION COMPOSITIONS AND METHODS FOR DIAGNOSTICS AND THERAPEUTICS FOR HYDROCEPHALUS | | |
| APPLICANT(S) FOR DO/EO/US Perry J. Blackshear, Darryl C. Zeldin, Joan P. Graves and Deborah J. Stumpo | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. § 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)). 9. <input checked="" type="checkbox"/> A Declaration of Inventorship and Powers of Attorney from the inventors 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)). | | |
| Items 11. to 16. below concern document(s) or information included: | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Abstract on a separate page. <input checked="" type="checkbox"/> Diskette containing an electronic copy of a Sequence Listing. <input checked="" type="checkbox"/> Paper copy of the Sequence Listing, <u>55</u> pages. <input checked="" type="checkbox"/> Statement in Compliance verifying the identify of the above copies. | | |

D105 Rec'd PCT/PTO 14 OCT 2004

| U.S. APPLICATION NO. (If not yet assigned, see 37 C.F.R. § 1.53) Not yet assigned | | INTERNATIONAL APPLICATION NO. PCT/US03/12348 | | ATTORNEY'S DOCKET NUMBER 4239-64828-02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------|---|--------------------|---|--------------|--------------|------|--------------|-----------|----|-----------|--------------------|---------|---|-----------|---|--|--|------------|--------------------------------------|--|--|--------------------|--|--|--|----|-------------------|--|--|--------------------|--|--|--|----|-----------------------------|--|--|--------------------|--|--|--|-----------------|------------------------------|--|--|--------------------|--|--|--|-------------|--|--|--|-------------|-----------------------------|--|
| 17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)): Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,110.00 International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$950.00 International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority..... \$790.00 International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$750.00 International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)..... \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 750.00 Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)). \$ <table border="1"><thead><tr><th>CLAIMS</th><th>NUMBER FILED</th><th>NUMBER EXTRA</th><th>RATE</th></tr></thead><tbody><tr><td>Total claims</td><td>59 - 20 =</td><td>39</td><td>x \$18.00</td></tr><tr><td>Independent Claims</td><td>6 - 3 =</td><td>3</td><td>x \$88.00</td></tr><tr><td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td><td>+ \$230.00</td></tr><tr><td colspan="3">TOTAL OF ABOVE CALCULATIONS =</td><td>\$ 1,716.00</td></tr><tr><td colspan="3"><input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.</td><td>\$</td></tr><tr><td colspan="3">SUBTOTAL =</td><td>\$ 1,716.00</td></tr><tr><td colspan="3">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).</td><td>\$</td></tr><tr><td colspan="3">TOTAL NATIONAL FEE =</td><td>\$ 1,716.00</td></tr><tr><td colspan="3">Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.</td><td>\$ 40.00</td></tr><tr><td colspan="3">TOTAL FEES ENCLOSED =</td><td>\$ 1,756.00</td></tr><tr><td colspan="3"></td><td>REFUND → \$</td></tr><tr><td colspan="3"></td><td>CHARGE → \$</td></tr></tbody></table> | | | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | 59 - 20 = | 39 | x \$18.00 | Independent Claims | 6 - 3 = | 3 | x \$88.00 | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$230.00 | TOTAL OF ABOVE CALCULATIONS = | | | \$ 1,716.00 | <input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application. | | | \$ | SUBTOTAL = | | | \$ 1,716.00 | Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)). | | | \$ | TOTAL NATIONAL FEE = | | | \$ 1,716.00 | Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property. | | | \$ 40.00 | TOTAL FEES ENCLOSED = | | | \$ 1,756.00 | | | | REFUND → \$ | | | | CHARGE → \$ | CALCULATIONS (PTO USE ONLY) | |
| | | | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total claims | 59 - 20 = | 39 | x \$18.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application. | | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | REFUND → \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | CHARGE → \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

a. ☒ A check in the amount of \$ 1,756.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.


d. ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

NOTE: Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH

CUSTOMER NUMBER 36218

KLARQUIST SPARKMAN, LLP
One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, OR 97204-2988


SIGNATURE

Anne Carlson, Ph.D.
NAME

47,472
REGISTRATION NUMBER

cc: Docketing